## WHAT IS CLAIMED IS:

- 1. A light emitting device comprising:
- a substrate having a pixel portion; and
- 5 a plurality of EL elements in the pixel portion, at least one of the EL elements comprising an EL layer comprising a triplet compound.

wherein the EL layer comprises a plurality of hole transporting layers.

2. A light emitting device comprising:

10 a substrate having a pixel portion; and

at least one first EL element in the pixel portion, the first EL element comprising a first EL layer comprising a triplet compound;

at least one second EL element in the pixel portion, the second EL element comprising a second EL layer comprising a singlet compound,

15 at least one of the first and second EL layers comprises a plurality of hole transporting layers.

- 3. A light emitting device comprising:
  - a substrate having a pixel portion; and
- 20 at least one first EL element in the pixel portion, the first EL element comprising a first EL layer comprising a triplet compound wherein the first EL element comprises:
  - a hole injection layer in contact with an anode;
  - a hole transporting layer in contact with the hole injection layer;
  - a light emitting layer in contact with the hole transporting layer;
  - a hole blocking layer in contact with the light emitting layer;
  - an electron transporting layer in contact with the hole blocking layer;

and

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a cathode in contact with the electron transporting layer,

at least one second EL element in the pixel portion, the second EL element comprising a second EL layer comprising a singlet compound.

wherein the hole transporting layer of the first EL layer comprises a plurality of hole transporting layers.

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- 4. An electric appliance having a light emitting device comprising:
  - a substrate having a pixel portion; and
- a plurality of EL elements in the pixel portion, at least one of the EL elements comprising an EL layer comprising a triplet compound,
- wherein the EL layer comprises a plurality of hole transporting layers.
  - 5. An electric appliance having a light emitting device comprising:
  - a substrate having a pixel portion; and
- at least one first EL element in the pixel portion, the first EL element 15 comprising a first EL layer comprising a triplet compound;
  - at least one second EL element in the pixel portion, the second EL element comprising a second EL layer comprising a singlet compound,
  - at least one of the first and second EL layers comprises a plurality of hole transporting layers.

- 6. An electric appliance having a light emitting device comprising:
  - a substrate having a pixel portion; and
- at least one first EL element in the pixel portion, the first EL element comprising a first EL layer comprising a triplet compound wherein the first EL element 25 comprises;
  - a hole injection layer in contact with an anode;
  - a hole transporting layer in contact with the hole injection layer;
  - a light emitting layer in contact with the hole transporting layer;
  - a hole blocking layer in contact with the light emitting layer;

an electron transporting layer in contact with the hole blocking layer;

a cathode in contact with the electron transporting layer,

at least one second EL element in the pixel portion, the second EL element comprising a second EL layer comprising a singlet compound.

wherein the hole transporting layer of the first EL layer comprises a plurality of hole transporting layers.

- 7. A light emitting device according to claim 3, wherein the hole injection layer comprises a layer containing copper phthalocyanine, the hole transporting layer comprises a layer containing MTDATA and a layer containing α-NPD, the light emitting layer comprises a layer containing CBP and Ir (ppy)<sub>3</sub>, the hole blocking layer comprises a layer containing BCP, and the electron transporting layer comprises a layer containing Alq<sub>3</sub>.
- 15 8. A light emitting device according to claim 2, wherein the first EL element emits red light and the second EL element emits blue or green light.
  - A light emitting device according to claim 3, wherein the first EL element emits red light and the second EL element emits blue or green light.
  - 10. A light emitting device according to claim 2, wherein the first EL element emits blue light and the second EL element emits red or green light.
- 11. A light emitting device according to claim 3, wherein the first EL element 25 emits blue light and the second EL element emits red or green light.
  - 12. A light emitting device according to claim 2, wherein the first EL element emits green light and the second EL element emits red or blue light.

- 13. A light emitting device according to claim 3, wherein the first EL element emits green light and the second EL element emits red or blue light.
- A light emitting device according to claim 2, wherein the first EL element
   emits red or blue light and the second EL element emits green light.
  - 15. A light emitting device according to claim 3, wherein the first EL element emits red or blue light and the second EL element emits green light.
- 10 16. A light emitting device according to claim 2, wherein the first EL element emits red or green light and the second EL element emits blue light.
  - 17. A light emitting device according to claim 3, wherein the first EL element emits red or green light and the second EL element emits blue light.
  - 18. A light emitting device according to claim 2, wherein the first EL element emits blue or green light and the second EL element emits red light.
- 19. A light emitting device according to claim 3, wherein the first EL element 20 emits blue or green light and the second EL element emits red light.
  - 20. A light emitting device according to claim 2, wherein the hole transporting layer has a laminate structure of two to four layers.
- 25 21. A light emitting device according to claim 3, wherein the hole transporting layer has a laminate structure of two to four layers.
  - 22. A light emitting device according to claim 1 wherein the transporting layer includes a layer containing MTDATA and a layer containing α-NPD.

- 23. A light emitting device according to claim 2, wherein the transporting layer includes a layer containing MTDATA and a layer containing α-NPD.
- 5 24. A light emitting device according to claim 3, wherein the transporting layer includes a layer containing MTDATA and a layer containing α-NPD.
  - 25. A light emitting device according to claim 8, wherein the transporting layer includes a layer containing MTDATA and a layer containing  $\alpha$ -NPD.

- 26. A light emitting device according to claim 9, wherein the transporting layer includes a layer containing MTDATA and a layer containing α-NPD.
- 27. A light emitting device according to claim 10, wherein the transporting layer 15 includes a layer containing MTDATA and a layer containing  $\alpha$ -NPD.
  - 28. A light emitting device according to claim 11, wherein the transporting layer includes a layer containing MTDATA and a layer containing  $\alpha$ -NPD.
- 20 29. A light emitting device according to claim 12, wherein the transporting layer includes a layer containing MTDATA and a layer containing α-NPD.
  - 30. A light emitting device according to claim 13, wherein the transporting layer includes a layer containing MTDATA and a layer containing  $\alpha$ -NPD.

- 31. A light emitting device according to claim 14, wherein the transporting layer includes a layer containing MTDATA and a layer containing  $\alpha$ -NPD.
  - 32. A light emitting device according to claim 15, wherein the transporting layer

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includes a layer containing MTDATA and a layer containing α-NPD.

- 33. A light emitting device according to claim 16, wherein the transporting layer includes a layer containing MTDATA and a layer containing  $\alpha$ -NPD.
- 34. A light emitting device according to claim 17, wherein the transporting layer includes a layer containing MTDATA and a layer containing  $\alpha$ -NPD.
- 35. A light emitting device according to claim 18, wherein the transporting layer 10 includes a layer containing MTDATA and a layer containing α-NPD.
  - 36. A light emitting device according to claim 19, wherein the transporting layer includes a layer containing MTDATA and a layer containing  $\alpha$ -NPD.
- 37. A light emitting device according to claim 20, wherein the transporting layer includes a layer containing MTDATA and a layer containing α-NPD.
  - 38. A light emitting device according to claim 21, wherein the transporting layer includes a layer containing MTDATA and a layer containing  $\alpha$ -NPD.
  - 39. A light emitting device according to claim 7, wherein the layer containing  $\alpha$ -NPD is sandwiched between the light emitting layer and the layer containing MTDATA.
- 40. A light emitting device according to claim 22, wherein the layer containing  $\alpha$ -NPD is sandwiched between the light emitting layer and the layer containing MTDATA.
  - 41. A light emitting device according to claim 23, wherein the layer containing

 $\alpha$ -NPD is sandwiched between the light emitting layer and the layer containing MTDATA.

- 42. A light emitting device according to claim 24, wherein the layer containing 5 α-NPD is sandwiched between the light emitting layer and the layer containing MTDATA.
- 43. A light emitting device according to claim 25, wherein the layer containing  $\alpha$ -NPD is sandwiched between the light emitting layer and the layer containing 10 MTDATA.
  - 44. A light emitting device according to claim 26, wherein the layer containing  $\alpha$ -NPD is sandwiched between the light emitting layer and the layer containing MTDATA.

- 45. A light emitting device according to claim 27, wherein the layer containing  $\alpha$ -NPD is sandwiched between the light emitting layer and the layer containing MTDATA.
- 20 46. A light emitting device according to claim 28, wherein the layer containing  $\alpha$ -NPD is sandwiched between the light emitting layer and the layer containing MTDATA.
- 47. A light emitting device according to claim 29, wherein the layer containing
  25 α-NPD is sandwiched between the light emitting layer and the layer containing
  MTDATA.
  - 48. A light emitting device according to claim 30, wherein the layer containing  $\alpha$ -NPD is sandwiched between the light emitting layer and the layer containing

## MTDATA.

- 49. A light emitting device according to claim 31, wherein the layer containing α-NPD is sandwiched between the light emitting layer and the layer containing 5 MTDATA.
  - 50. A light emitting device according to claim 32, wherein the layer containing  $\alpha$ -NPD is sandwiched between the light emitting layer and the layer containing MTDATA.

- 51. A light emitting device according to claim 33, wherein the layer containing α-NPD is sandwiched between the light emitting layer and the layer containing MTDATA.
- 52. A light emitting device according to claim 34, wherein the layer containing α-NPD is sandwiched between the light emitting layer and the layer containing MTDATA.
- 53. A light emitting device according to claim 35, wherein the layer containing 20 α-NPD is sandwiched between the light emitting layer and the layer containing MTDATA.
- 54. A light emitting device according to claim 36, wherein the layer containing α-NPD is sandwiched between the light emitting layer and the layer containing 25 MTDATA.
  - 55. A light emitting device according to claim 37, wherein the layer containing  $\alpha$ -NPD is sandwiched between the light emitting layer and the layer containing MTDATA.

56. A light emitting device according to claim 38, wherein the layer containing α-NPD is sandwiched between the light emitting layer and the layer containing MTDATA.

- 57. An electric appliance according to claim 4, wherein the electric appliance is selected from the group consisting of a display device, a video camera, a head mounted display, an image reproducing device equipped with a recording medium, a goggle type display, a personal computer, a cellular phone, an audio reproducing device, and a digital camera.
- 58. An electric appliance according to claim 5, wherein the electric appliance is selected from the group consisting of a display device, a video camera, a head mounted display, an image reproducing device equipped with a recording medium, a goggle type display, a personal computer, a cellular phone, an audio reproducing device, and a digital camera.
- 59. An electric appliance according to claim 6, wherein the electric appliance is selected from the group consisting of a display device, a video camera, a head mounted 20 display, an image reproducing device equipped with a recording medium, a goggle type display, a personal computer, a cellular phone, an audio reproducing device, and a digital camera.